



**How are European projects preparing  
for the IHE Plugathon and the EHDS  
primary use?**



- Please keep your microphone muted
- Questions during the session?

Please use the chat box. We will address the questions in the second part of the webinar

- Slides will be available on IHE-Europe Connectathon 2026 webpage
- After the webinar, you can find the recording in IHE-Europe YouTube channel



- Welcome
- myHealth@myHands preparation
- i2X preparation
- xShare preparation
- SUSa preparation
- Agenda and registration tips
- Q&A session





CONNECTATHON®

BRUSSELS 🇧🇪 2026 MARCH 23/27



# myHealth@myHands preparation

*Zoltan Lantos - :myH: Coordinator*



# Health at Our Fingertips Through Digital Public Service Delivery



**eGovERA©**

**eGOVERNMENT BUSINESS AGNOSTIC EUROPEAN REFERENCE ARCHITECTURE**



I Improve My Health



HC Ecosystem



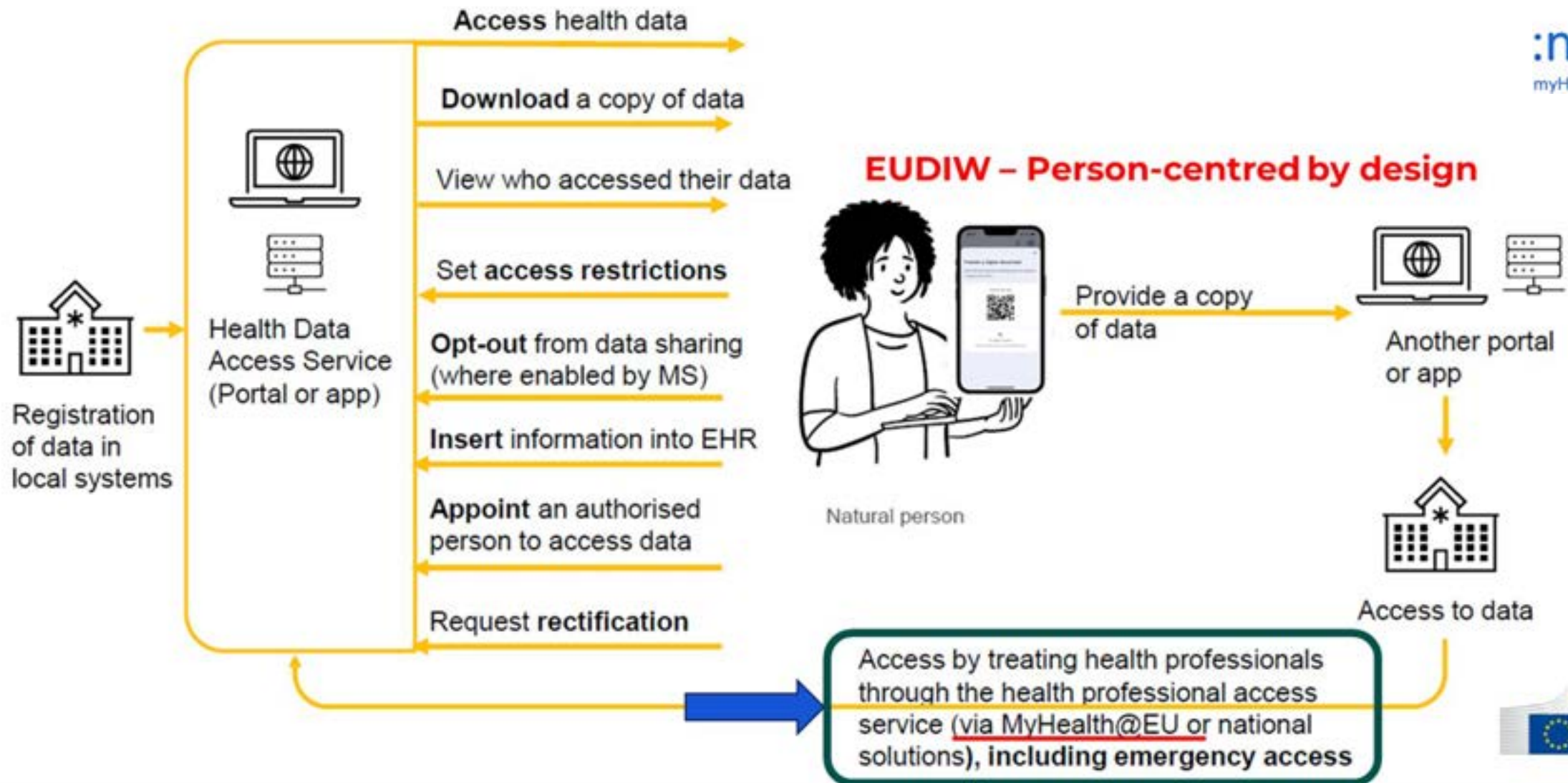
WP3-WP3 Continuous Online Testing Session

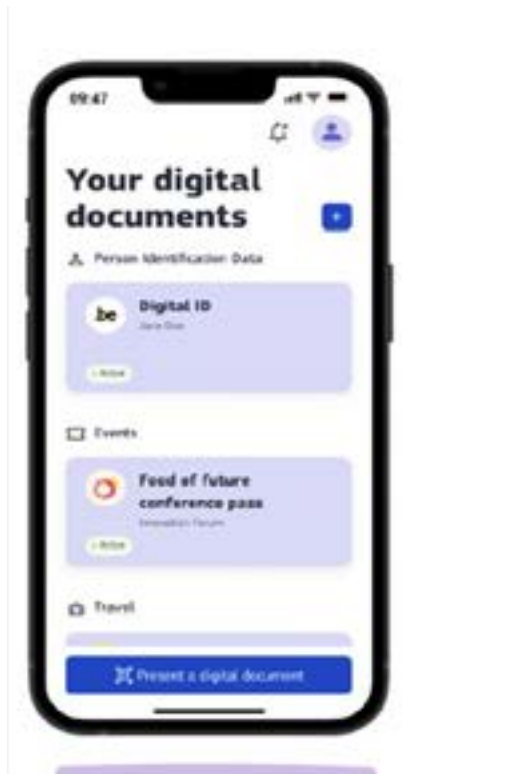


Reliable information





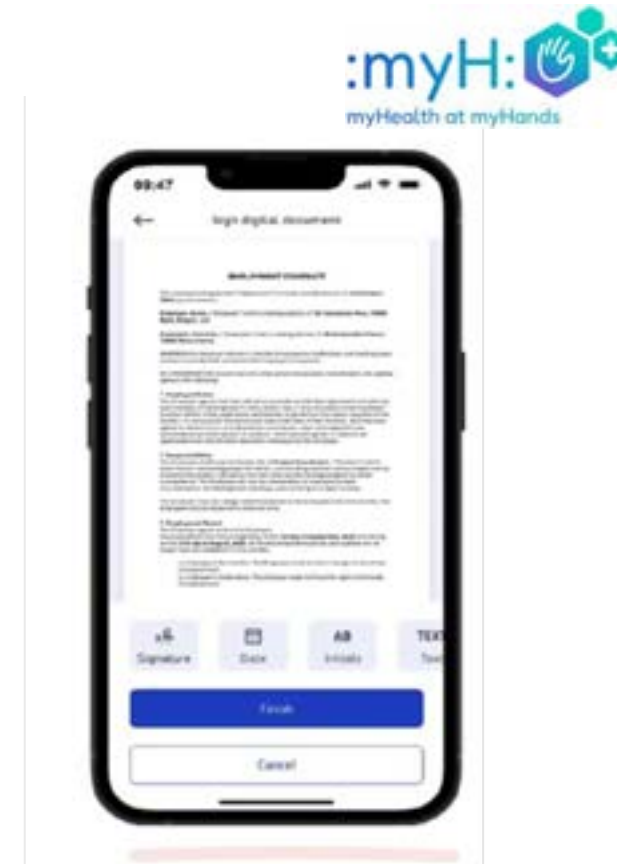




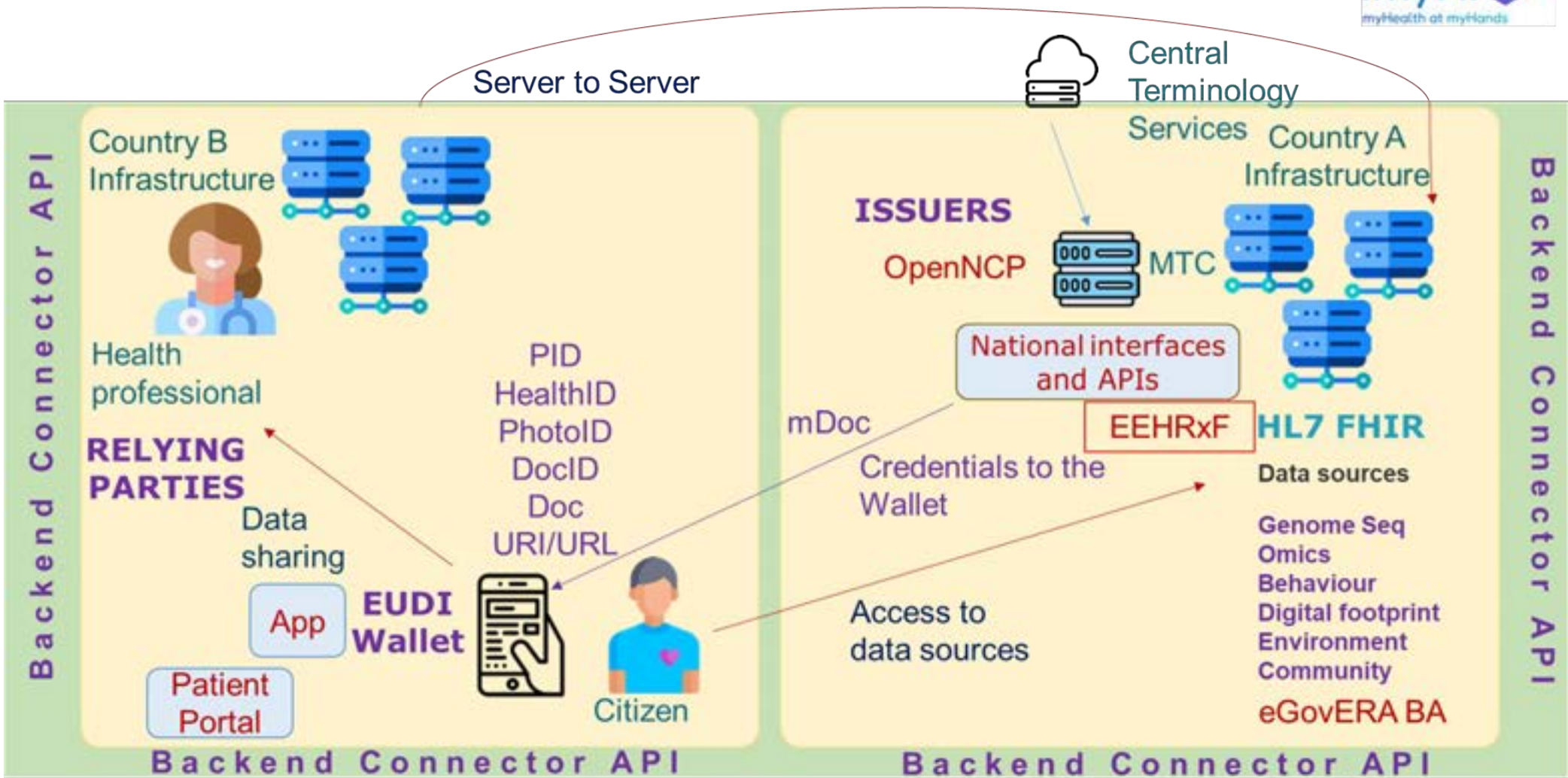
Identification and authentication



Presentation of “attributes”



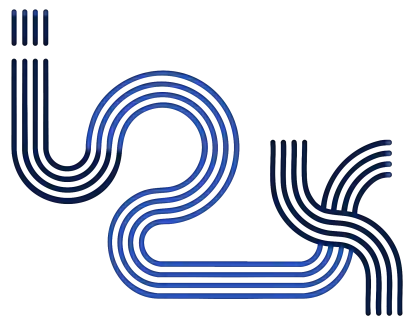
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## **i2X preparation**

*Henrique Martins - i2X Coordinator*

*Jeanne Guihot - i2X Partner*





## Who we are:

Start date: 1st of April 2025

Lengths: 48 months

Partners: 38 Partners involving 12 Member States

## What is i2X

i2X is a Digital Europe project that aims to demonstrate the real-world value of the EEHRxE, supporting the European Health Data Space (EHDS) and MyHealth@EU. It is an implementation-based project that will test digital health tools in everyday clinical settings to alleviate the burden of healthcare professionals.

## Why it Matters

i2X will:

- Advance digital health through AI-powered and standards-based tool
- Support healthcare providers in adapting to the EEHRxE
- Capture real-world evidence and cost-benefit of structured data implementation
- Empower patient to access, share, and manage their health information
- Contribute to policy alignment, standardization, and EU-wide interoperability



i2X is an 8M EU-funded project that aims to implement EEHRxF in an intelligent way, involving 38 partners across 12 different EU Member States in the next 4 years



## What is the EEHRxF?

EEHRxF stands for European Electronic Health Record Exchange Format

Standardized medical terms and codes for sharing health data

Patient  
Summary

ePrescriptions &  
eDispensations

Lab  
Results

Imaging reports

Discharge  
reports



## What is the purpose of i2X?

Implement  
the EEHRxF

Add intelligent  
components

Improve  
patient's  
outcomes

Reducing the  
burden of  
HCPs



## How will i2X implement the EEHRxF?



## Blueprint to real-world scenarios – i2X implementation Focus



### Purpose:

i2X is not just a research project, but an action-driven initiative, proving value in real-world clinical and show the value of implementation in a diverse European landscape.



### 12 Hospitals Testing Standards

EHR integration, AI support, decision-making

### Vendor-Driven Solutions

Real interoperability between systems

### Patient & Clinician Involvement

Testing usability and effectiveness



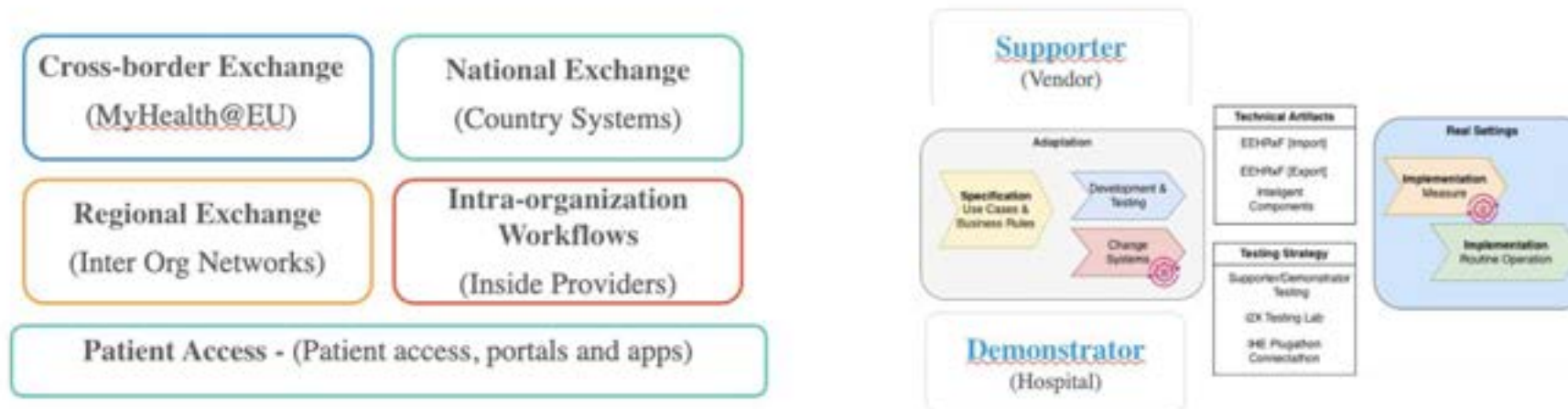
## i2X Implementation Scenarios & Use Cases



### High-Level Areas of Work:

i2X covers real-world implementation of EEHRxF across 5 broad settings in the 5 data categories

Data Categories: Patient Summary, ePrescription/eDispensation, Lab Results, Medical Imaging & reports, Discharge Letters



## Expansion – Outreach & Ecosystem Engagement



Expansion of entities  
and early adopters



Co-create and validate  
standards in real-world  
settings



Drive adoption and  
ensure alignment with  
European Strategies



Foster sustainability  
and open innovation

Why it matters: Expanding beyond the consortium allows i2X to validate EEHRxF implementation readiness, test interoperability in real clinical settings, and ground adoption in operational reality.



Special Interest  
Groups (SIGs)

Industry Healthcare Providers

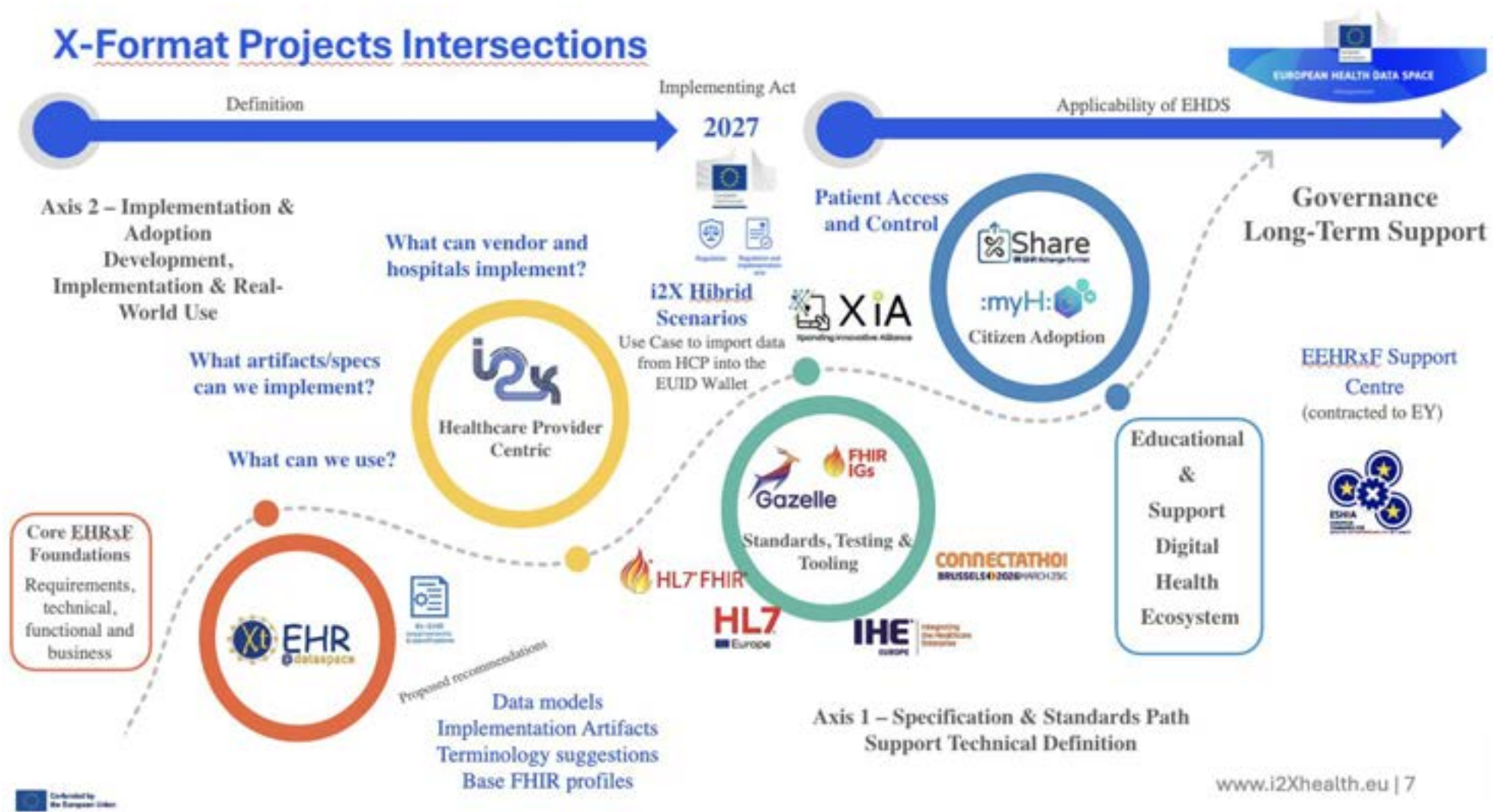
## Engaging Networks



X-net  
Industry



# X-Format Projects Intersections



## Level 1: Unit tests without partners - Validation of priority categories documents

Participants will demonstrate their ability to :

- Produce EEHRxF FHIR resources either natively or via conversion tools (XShare CDA-to-FHIR IPS converter, AI tools for management of unstructured data)
- Integrate, parse and interpret EEHRxF FHIR resources to display the information in a clinically meaningful way

## Level 2 : Unit tests with a FHIR server simulator - FHIR REST transactions

Participants will demonstrate their ability to interact with a FHIR server simulator to query or create resources

## Level 3 : Partner-based tests with focus on IPS and Lab Results exchange using FHIR REST APIs

- TS1 / TS3b : Direct peer-to-peer exchange - Direct communication between System A and System B
- TS2 / TS3b : Central repository - System A publish to a FHIR central repository. System B consume from it
- TS3a : Wallet - Exchange of EEHRxF documents from System A to System B through the use of the wallet



## Clinical story

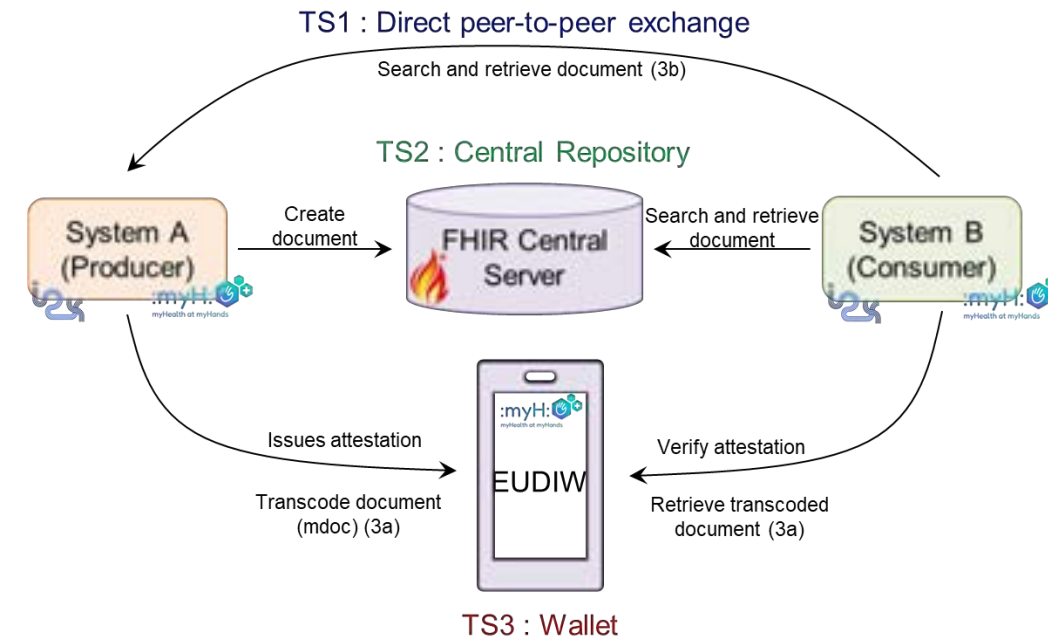
Laura is treated for cancer at Hospital A. A few days after chemotherapy, she feels unwell while away from home and goes to Hospital B. To treat her safely, Hospital B needs quick access to Laura's patient summary and recent lab results from Hospital A

## What information is needed

- International Patient Summary (IPS) : Allergies, Conditions / diagnoses, Medications
- Recent laboratory results (e.g. neutrophils, WBC)

## What happens

- System B identifies the patient
- System B search for an available IPS
- System B retrieves the IPS as a FHIR document
- System B retrieves related lab results
- System B displays and uses the information for clinical decisions
- (Optional) System B updates and shares an updated IPS



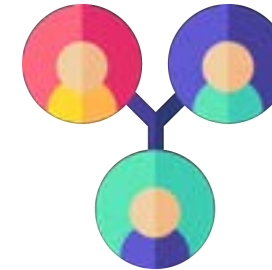


## xShare preparation

*Argiris Gkogkidis - xShare WP3 Leader*



# Expanding the European **EHRxF** to **share** and effectively use



## **health data** within the **EHDS**



*EHRxF: Electronic Health Record eXchange format*  
*EHDS: European Health Data Space*



Everyone can share their health data in  
EEHRxF with a “click-of-a-button”.



Download



One-time share



Linked Options





**Adoption sites span across EU in different member states:**

**Business settings – France**

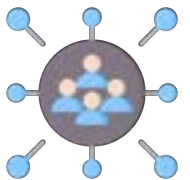
**Hospital network – Italy**

**Regional – Madeira & Catalunya**

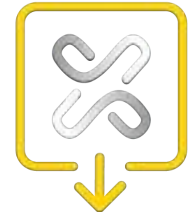
**National – Ireland, Greece & Cyprus**



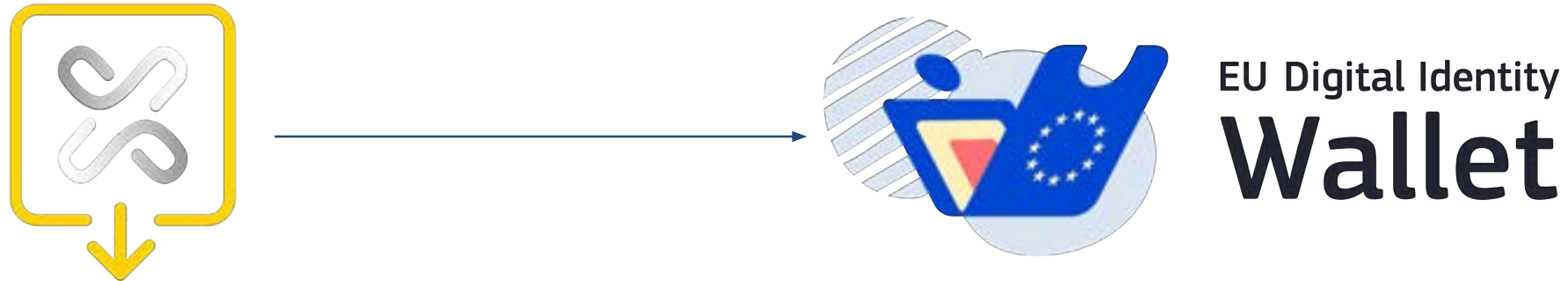
- The “Yellow button”
  - Everyone can **share their health data** in EEHRxF with a “**click-of-a-button**”
- The Hub
  - Build a **European EHRxF Standards and Policy Hub** sustainable by design.
- The Industry label
  - **Explore the feasibility** and **value** of an EU xShare Industry label



- Step 1: Create your IPS document (v1.2 FHIR IPS)
  - Step 1.1: Convert your CDA to FHIR (Optional)
- Step 2: Validate the conformance of your IPS document against xShare FHIR Implementation Guide
- Optional step: Authenticate and authorize user
- Step 3: Use of the Yellow Button in an application
- Step 4: UC1 Download IPS in machine readable format (FHIR Bundle)
  - Step 4.1: UC1 Upload IPS on consumer application/visualize FHIR Bundle
- Step 5: UC2 Share IPS using Smart Health Links
  - Step 5: UC2.1 Consume of SHL



- UC3 - xShare Yellow Button to act as Issuer in EDUI Wallet.







## SUSA preparation

*Apostolia Karabatea - SUSA Partner*



- SUSA is a pan-European initiative to strengthen advanced digital skills for health data across healthcare and engineering disciplines
- It unites 12 Higher Education Institutions, 6 SMEs, a hospital, a research center, plus European networking organisations
- It embed a shared skills model across 20 Bachelor and 26 Master programmes, and offers 16 self-standing lifelong-learning modules/ micro-credentials
- The project is coordinated by OULU University and funded under the Digital Europe programme

- Europe is moving towards large-scale health data sharing and reuse, with major initiatives such as the European Health Data Space (EHDS) shaping expectations and requirements
- Health systems face a shortage of professionals who can combine domain knowledge (clinical/care) with advanced digital skills (data, AI, IoT, cybersecurity)
- The project supports the Digital Europe agenda by reinforcing critical capacity areas: AI, Cybersecurity, IoT and Data
- The need is not theoretical: health data is required for care coordination, research/ analytics, and interoperable digital services across systems, therefore SUSA aligns with the idea of sustainable healthcare

- Shared education model built on 20 jointly agreed learning objectives and integration into 46 degree programmes
- 16 self-standing modules/ micro-credentials for upskilling and professional development (lifelong learning)
- Delivery through collaborative Shared Learning Experiences that have been co-designed and co-delivered
- Practical emphasis: how **nurses, clinicians, engineers and data professionals** could work together using health data





- The SUSA Virtual Campus acts as the access point for learning materials, shared event schedules, and resources for teachers and learners, coordinating 3 central elements:
  - Learning material
  - Collaboration & matchmaking platform
  - Learning-experience specific health data infrastructures



- SUSA uses an IHE Plugathon track to translate learning outcomes into practical interoperability / testing experience
- It complements academic delivery by providing an applied environment where participants can work with test tools and realistic workflows (e.g. IHE/ Gazelle-type testing approaches)
- The track is designed to support SUSA's broader education model: shared learning experiences, collaboration, and repeatable refinement across cycles

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23/27  
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## Agenda and registration tips

*Nicole Veggiotti - IHE Connectathon Manager*





# Venue for 2026 IHE Plugathon for EHDS Primary Usage

From Monday, 23 March to Wednesday, 25 March 2026

Brussels, Belgium

*Where?*

**The EGG**, Rue Bara 175, 1070 Brussels

*About a 10-minute walk from Brussels-South Station (Gare du Midi)*





## IHE Plugathon for EHDS Primary Usage

[registration link](#) and [agenda](#)

IHE Plugathon for EHDS		
Who	How much	Information
EU funded project (xShare, I2x and MyHealth@MyHands)	550 €	1/2 day Educational 2 days Testing Lunch + Coffee breaks
Regular participant	850 €	

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## Questions?





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**Thank you for your attention**  
**Hope to see you in Brussels!!!**

